

# Louan Flammanc

Effort, PA | (201) 914-1026 | [louanflammanc.pro@gmail.com](mailto:louanflammanc.pro@gmail.com) | <https://gloobinours.github.io/portfolio/>

**OBJECTIVE:** 4th year Software Engineering Student is seeking an internship/co-op position in the field of Software Engineering and Software Development.

## EDUCATION:

**Rochester Institute of Technology (RIT), Rochester, NY**

**Expected 2026**

*Bachelor of Science, Software Engineering*

*Related Courses:* Software Dev & Problem Solving, Engineering of Software Subsystems, Personal Software Engineering, Web Engineering, Intro to Software Engineering, Software Design for Computing Systems, Software Process & Project Management, Calculus, Discrete Math for Computing, Linear Algebra, Analysis of Algorithms

## SKILLS:

**Programming Languages:** Python, Java, JavaScript, C/C++, HTML, CSS, PostgreSQL, OOP

**Software:** Photoshop, Blender, Illustrator, Lightroom

**Languages:** English(fluent), French(native)

## PROJECTS:

*Stock Prediction AI, Personal Project*

October 2024 - Present

- Team of 2 researching about Machine Learning algorithms to train a model to predict stock prices
- In charge of researching and writing the model using SKLearn and Pandas along with Python
- Used a stack ensemble to combine XGBoost, AdaBoost, Random Forest and, Bagging-LSVM algorithms, achieving a Relative RMSE of 0.2294% and an R<sup>2</sup> value of 0.9989 so far with only 5850 data points

*Maze-AI, Personal Project*

August 2024

- Researched about deep learning algorithms to train an agent to solve randomly generated mazes
- Created the generation of mazes for the agent to train in
- Created the agent's model using Deep Q Learning method and PyTorch

*Web-based Tetris game, Personal Project*

May 2023 - June 2023

- Build a web-based Tetris game with a friend using our knowledge from college classes
- Programmed in JavaScript and HTML, CSS for the Front-end

*NUTRiAPP, Engineering of Software Subsystems*

January 2023 - April 2023

- Collaborated with a team of 5 to build a nutrition app in Java
- Given a list of requirements for a product, we had to design, implement, and present a finished app
- Learned how to design and implement a product using common design patterns and domain modeling

*Theater Ticket Selling Website, Intro to Software Engineering*

September 2022 - December 2022

- Collaborated with a team of 5 to build a theater ticketing web application
- Developed an app in Java, Typescript, and Angular
- Learned how to develop a REST API using Spring Boot

*Hiragana Learning Website, Personal Project*

April 2021

- Developed website in JavaScript and used Git for version control to learn Japanese characters
- Coded basic GUI using HTML and CSS to enter the phonemes in Romaji

### *Discord Chatbot, Personal Project*

*May 2020*

- Built a discord chatbot with a friend that interacts with users and had a mini-game built-in as well as a class schedule notification system
- Project made entirely in nodeJS using Discord's API

### WORK EXPERIENCE:

#### **RIT Catering**

September 2022 - Present

##### *Attendant*

- Stock and maintain necessary food supplies and serving equipment
- Handle setup and takedown of all catering furniture and cooking equipment at each event
- Interact with customers and ensure a positive environment at the events

#### **RIT Artesano**

August 2022 - December 2023

##### *Front of House*

- Provide customer service and public relations, work with the team to maintain cleanliness
- Help to maintain the inventory
- Manage cash register
- Applied closing procedures

#### **Vidyo, Inc.**

August 2023

##### *Filing*

- Sorted the company's files dated from 2005 to 2023
- Helped with the organization of the office's relocation

### Interests:

- Member of the Vulnerability Research Team for RITSEC (RIT Cybersecurity Club)
- Playing guitar in a band
- Drawing/Graphic Design
- Photography
- Gym and Boxing